

**01389550 PECKMAN RIVER AT LITTLE FALLS, NJ**

PASSAIC RIVER BASIN

LOCATION.--Lat 40°52'19", long 74°13'20" referenced to North American Datum of 1983, Little Falls Township, Passaic County, NJ, Hydrologic Unit 02030103, on right bank, 30 ft upstream of bridge on Francisco Avenue (Lindsley Road) in Little Falls, 1.2 mi north of Cedar Grove, 1.2 mi west of Great Notch, and 1.9 mi upstream of mouth.

DRAINAGE AREA.--7.82 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--August 2007 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 160 ft above NAVD of 1988 (from topographic map).

REMARKS.--Records fair. Satellite rain (station 405219074132001) and gage height telemetry at station. Diurnal fluctuations at low flow due to patterns of sewage effluent entering river upstream. Several measurements of water temperature were made during the year.

EXTREMES FOR AUGUST TO SEPTEMBER 2007.--Maximum discharge, 1,490 ft<sup>3</sup>/s, Aug 8, gage height, 6.12 ft (likely peak discharge for water year 2007); minimum discharge, 4.9 ft<sup>3</sup>/s, Aug 2, gage height, 0.93 ft.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Oct 11	1700	873	4.49
Oct 27	0800	613	3.75
Dec 23	1930	765	4.19
Feb 1	1930	797	4.28
Mar 8	1445	865	4.47
Jun 22	1430	1,160	5.27
Sep 6	2030	*1,600	*6.40

## 01389550 PECKMAN RIVER AT LITTLE FALLS, NJ—Continued

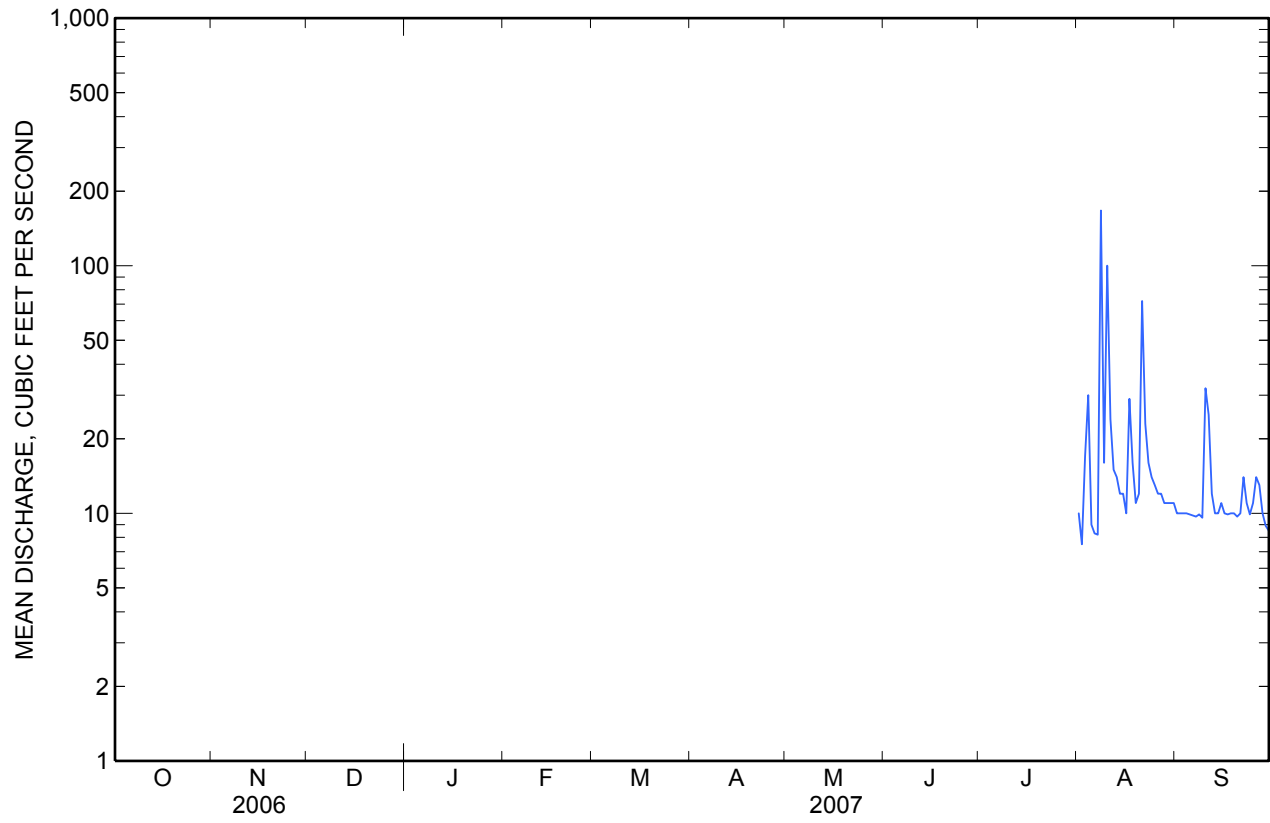
**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	---	10	10
2	---	---	---	---	---	---	---	---	---	---	7.5	10
3	---	---	---	---	---	---	---	---	---	---	17	10
4	---	---	---	---	---	---	---	---	---	---	30	10
5	---	---	---	---	---	---	---	---	---	---	9.0	9.9
6	---	---	---	---	---	---	---	---	---	---	8.3	9.8
7	---	---	---	---	---	---	---	---	---	---	8.2	9.7
8	---	---	---	---	---	---	---	---	---	---	167	9.9
9	---	---	---	---	---	---	---	---	---	---	16	9.6
10	---	---	---	---	---	---	---	---	---	---	100	32
11	---	---	---	---	---	---	---	---	---	---	24	25
12	---	---	---	---	---	---	---	---	---	---	15	12
13	---	---	---	---	---	---	---	---	---	---	14	10
14	---	---	---	---	---	---	---	---	---	---	12	10
15	---	---	---	---	---	---	---	---	---	---	12	11
16	---	---	---	---	---	---	---	---	---	---	10	10
17	---	---	---	---	---	---	---	---	---	---	29	9.9
18	---	---	---	---	---	---	---	---	---	---	16	10
19	---	---	---	---	---	---	---	---	---	---	11	10
20	---	---	---	---	---	---	---	---	---	---	12	9.7
21	---	---	---	---	---	---	---	---	---	---	72	10
22	---	---	---	---	---	---	---	---	---	---	23	14
23	---	---	---	---	---	---	---	---	---	---	16	11
24	---	---	---	---	---	---	---	---	---	---	14	9.9
25	---	---	---	---	---	---	---	---	---	---	13	11
26	---	---	---	---	---	---	---	---	---	---	12	14
27	---	---	---	---	---	---	---	---	---	---	12	13
28	---	---	---	---	---	---	---	---	---	---	11	10
29	---	---	---	---	---	---	---	---	---	---	11	8.9
30	---	---	---	---	---	---	---	---	---	---	11	8.5
31	---	---	---	---	---	---	---	---	---	---	11	---
Total	---	---	---	---	---	---	---	---	---	---	734.0	348.8
Mean	---	---	---	---	---	---	---	---	---	---	23.7	11.6
Max	---	---	---	---	---	---	---	---	---	---	167	32
Min	---	---	---	---	---	---	---	---	---	---	7.5	8.5

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2007 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	---	---	---	---	---	---	---	---	---	---	23.7	11.6
Max	---	---	---	---	---	---	---	---	---	---	23.7	11.6
(WY)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(2007)	(2007)
Min	---	---	---	---	---	---	---	---	---	---	23.7	11.6
(WY)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(2007)	(2007)

**01389550 PECKMAN RIVER AT LITTLE FALLS, NJ—Continued**



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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	13	9.2	11	42	144	33	23	13	10	8.0	7.9	6.7
2	7.3	8.9	12	28	48	23	19	13	9.4	8.2	42	6.4
3	7.1	9.0	38	19	25	24	12	12	9.1	8.2	11	6.1
4	7.0	8.8	16	19	20	36	39	12	30	8.4	9.1	6.0
5	6.6	8.9	13	17	21	74	20	11	10	9.6	8.4	6.4
6	7.5	21	12	18	22	31	15	10	9.5	8.8	11	255
7	6.6	10	11	17	25	55	13	9.8	9.4	8.3	8.7	31
8	7.0	9.1	11	17	18	188	12	9.8	16	7.9	7.8	10
9	26	13	16	17	17	52	12	63	10	11	7.7	29
10	19	19	25	15	17	29	12	38	30	9.0	7.3	10
11	77	11	15	75	14	23	11	16	20	8.4	12	8.3
12	23	10	13	28	14	20	30	26	9.6	7.9	8.2	17
13	5.8	15	31	26	278	17	13	15	9.0	7.3	7.3	12
14	4.5	10	34	40	61	16	12	12	24	32	7.4	8.4
15	4.5	31	22	26	36	20	11	11	21	8.5	7.9	7.5
16	4.2	14	26	19	29	16	11	69	27	7.4	7.3	6.8
17	3.5	11	20	17	31	14	11	50	15	7.7	6.7	7.2
18	3.6	10	16	52	89	13	11	27	13	7.5	7.0	6.9
19	15	16	15	26	39	67	11	19	11	7.5	6.7	6.7
20	18	17	17	19	26	78	11	26	9.7	7.2	6.5	7.0
21	6.4	12	16	16	21	26	11	20	14	8.1	6.6	7.2
22	20	14	16	15	23	20	11	15	67	7.2	6.4	6.9
23	40	11	169	14	24	17	11	13	14	42	6.4	6.7
24	12	11	65	14	21	15	11	12	19	61	6.4	6.8
25	14	10	28	13	21	14	11	11	10	10	6.3	7.5
26	18	49	38	13	36	13	11	11	9.5	7.8	6.7	121
27	124	29	55	13	41	12	14	22	9.2	18	6.3	17
28	18	15	27	13	25	13	69	12	9.0	10	6.2	26
29	11	14	85	12	20	12	34	11	8.6	8.0	6.0	15
30	10	12	32	22	---	11	16	10	8.8	7.2	32	10
31	9.5	---	49	13	---	14	---	11	---	7.6	7.0	---
<b>Total</b>	549.1	438.9	954	695	1,206	996	508	610.6	471.8	375.7	294.2	678.5
<b>Mean</b>	17.7	14.6	30.8	22.4	41.6	32.1	16.9	19.7	15.7	12.1	9.49	22.6
<b>Max</b>	124	49	169	75	278	188	69	69	67	61	42	255
<b>Min</b>	3.5	8.8	11	12	14	11	11	9.8	8.6	7.2	6.0	6.0

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2007 - 2008, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	17.7	14.6	30.8	22.4	41.6	32.1	16.9	19.7	15.7	12.1	16.6	17.1
<b>Max</b>	17.7	14.6	30.8	22.4	41.6	32.1	16.9	19.7	15.7	12.1	23.7	22.6
<b>(WY)</b>	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2007)	(2008)
<b>Min</b>	17.7	14.6	30.8	22.4	41.6	32.1	16.9	19.7	15.7	12.1	9.49	11.6
<b>(WY)</b>	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2007)

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## SUMMARY STATISTICS

	Water Year 2008		August 2007 – September 2008	
<b>Annual total</b>	7,777.8			
<b>Annual mean</b>	21.3		21.3	
<b>Highest annual mean</b>			21.3	2008
<b>Lowest annual mean</b>			21.3	2008
<b>Highest daily mean</b>	278	Feb 13	278	Feb 13, 2008
<b>Lowest daily mean</b>	3.5	Oct 17	3.5	Oct 17, 2007
<b>Annual seven-day minimum</b>	5.9	Oct 13	5.9	Oct 13, 2007
<b>Maximum peak flow</b>	<sup>a</sup> 1,600	Sep 6	<sup>a</sup> 1,600	Sep 6, 2008
<b>Maximum peak stage</b>	6.40	Sep 6	6.40	Sep 6, 2008
<b>Instantaneous low flow</b>	2.1	Oct 17-19	2.1	Oct 17-19, 2007
<b>10 percent exceeds</b>	39		39	
<b>50 percent exceeds</b>	13		13	
<b>90 percent exceeds</b>	7.0		7.0	

<sup>a</sup> From rating extended above 500 ft<sup>3</sup>/s.

